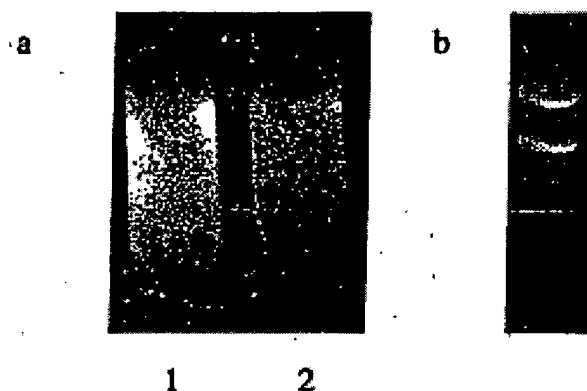


## FIGURE 1

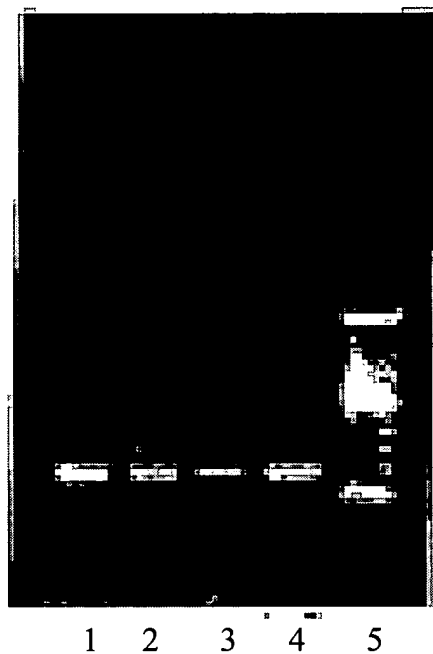


- c**
1. Alpha-1-antitrypsin
  2. Bone Morphogenetic Protein 2
  3. Cytokeratin 6
  4. Lambda Light Chain

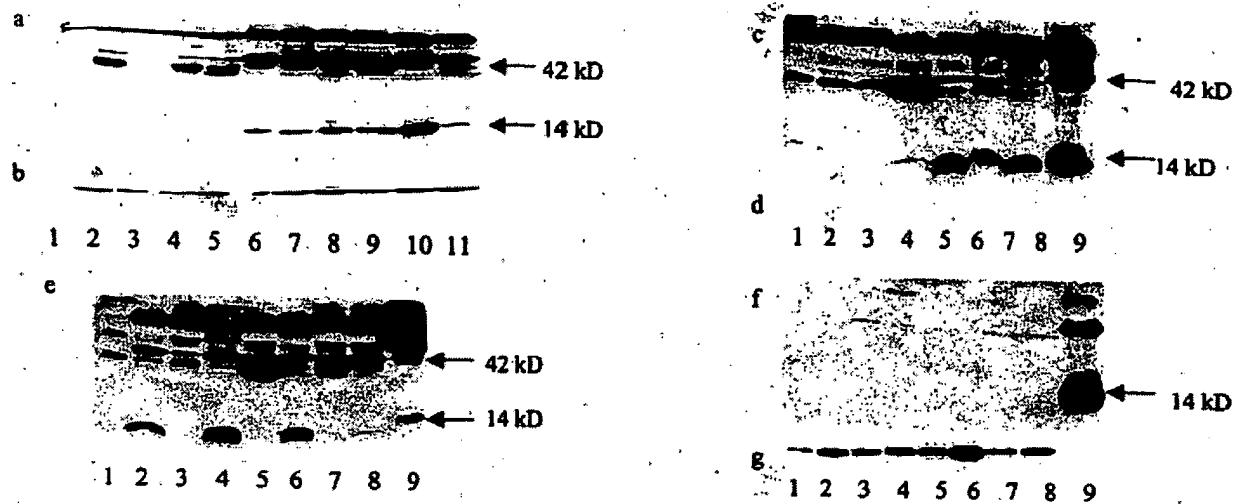
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## FIGURE 2

RT-PCR for BMP-2 in Human Lung Tumors

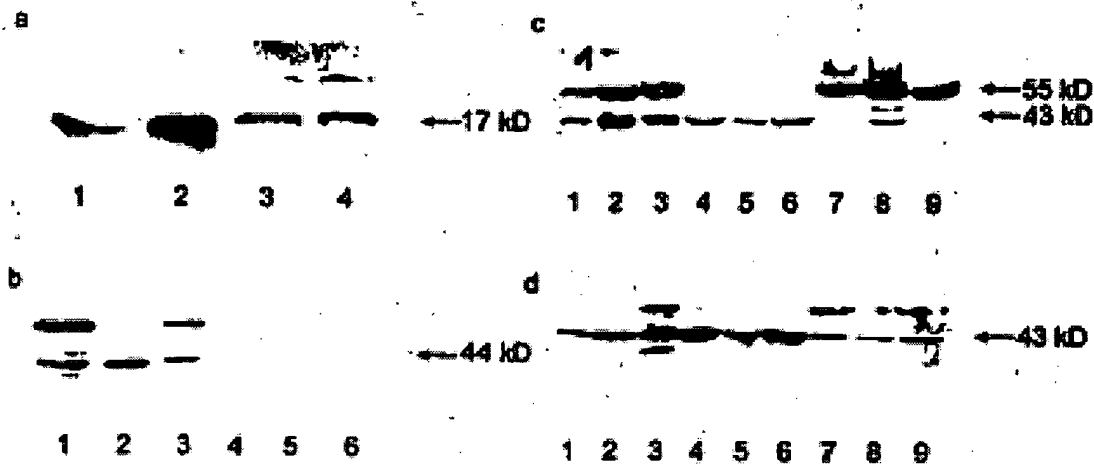


BEST AVAILABLE COPY

**FIGURE 3**

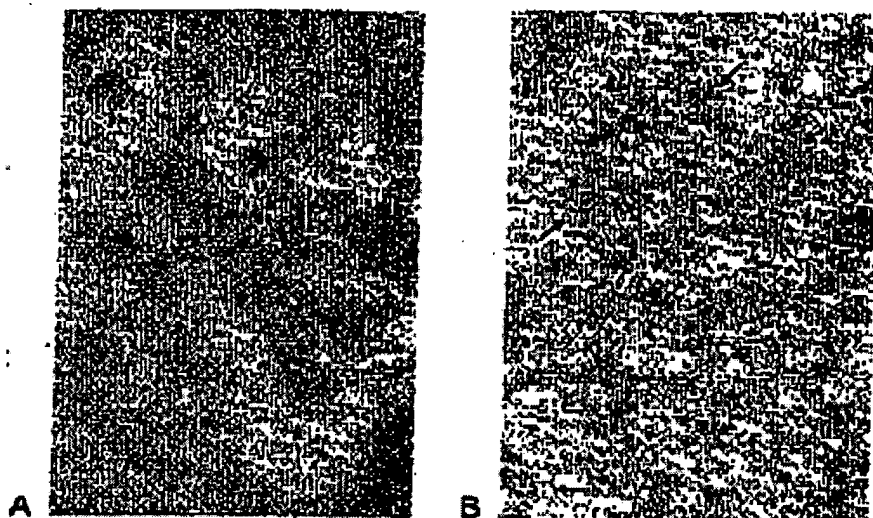
BEST AVAILABLE COPY

FIGURE 4



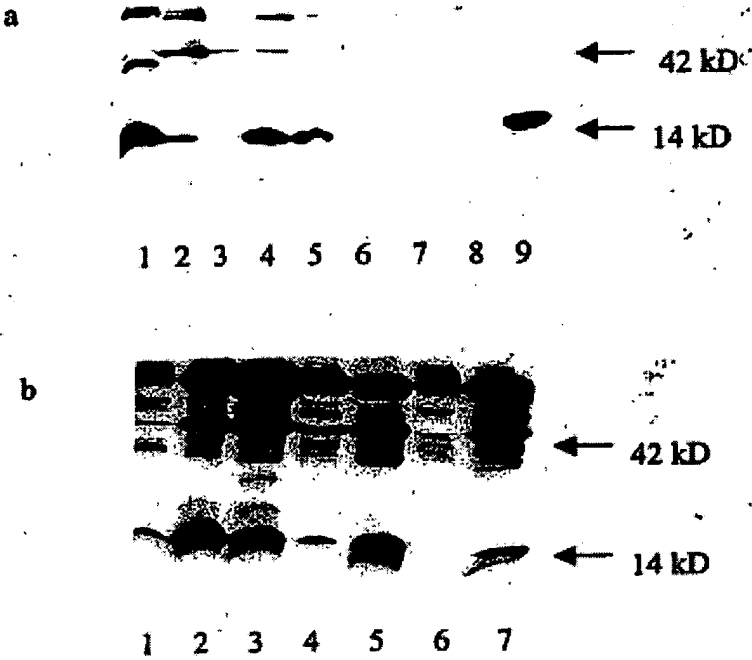
BEST AVAILABLE COPY

## FIGURE 5

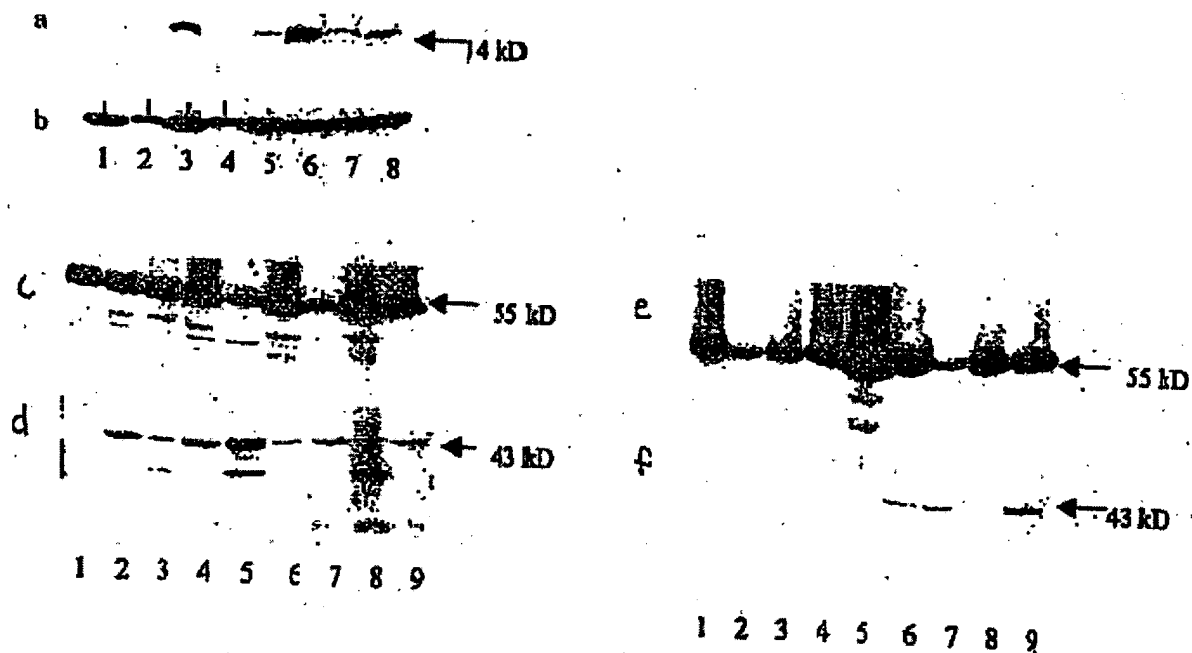


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FIGURE 6



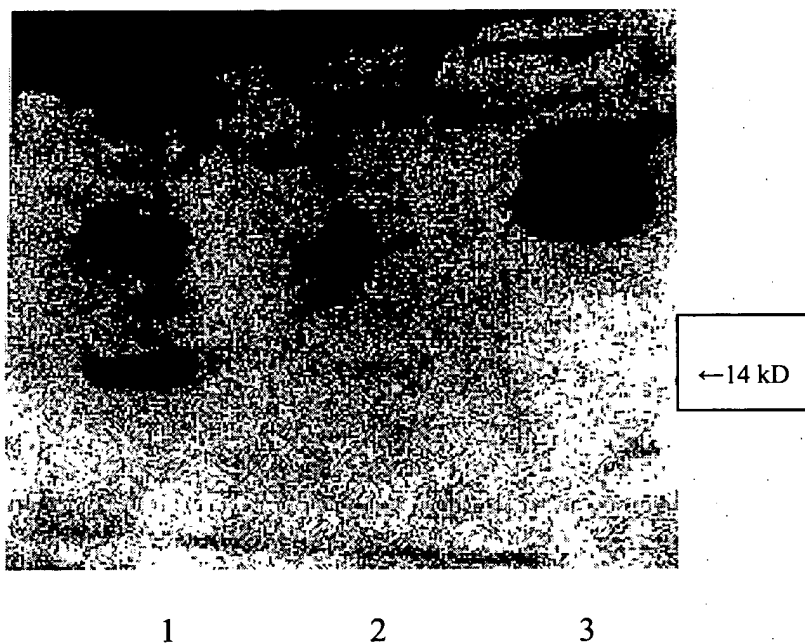
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**FIGURE 7**

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## FIGURE 8

Western Blot of Serum Samples of Lung Cancer Patients



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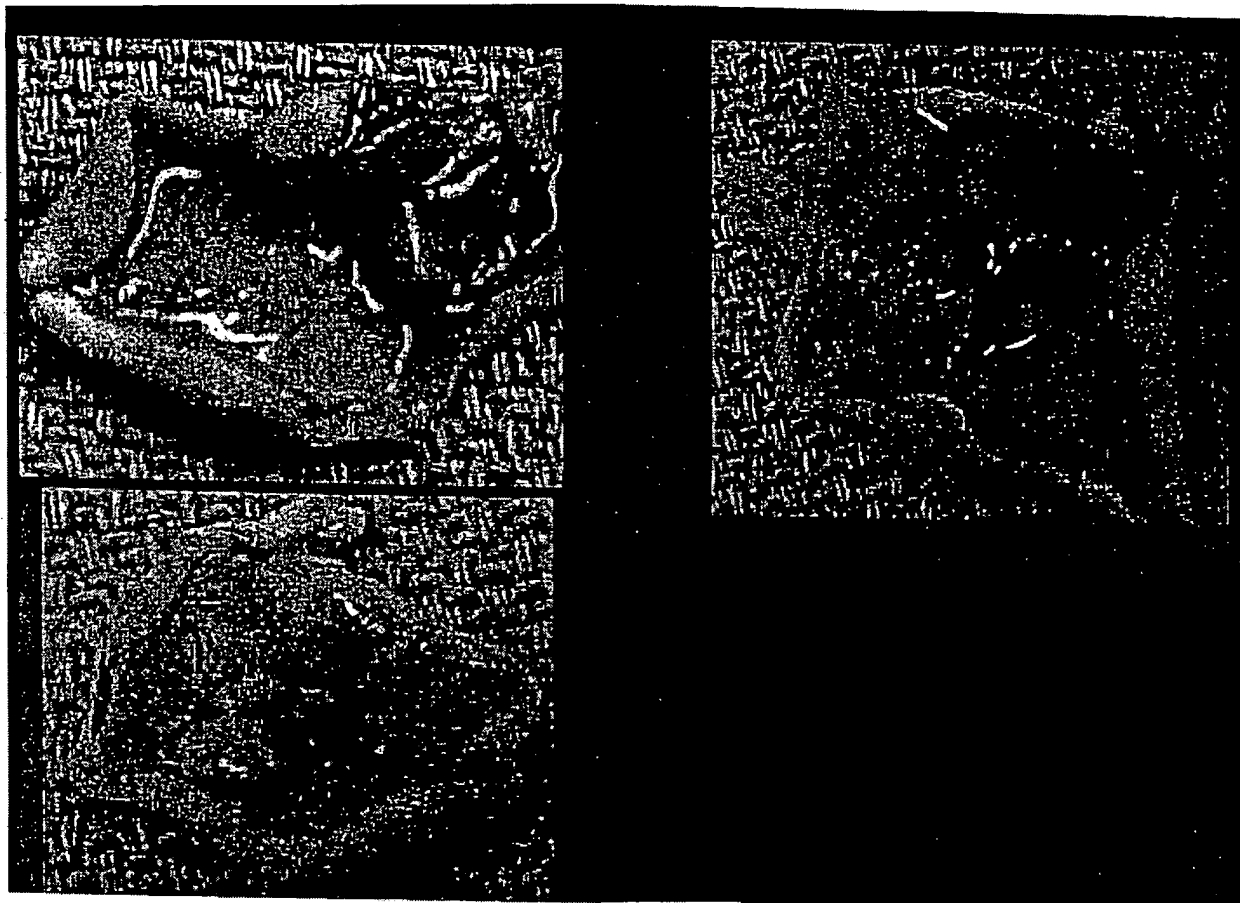
**FIGURE 9**



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## FIGURE 10

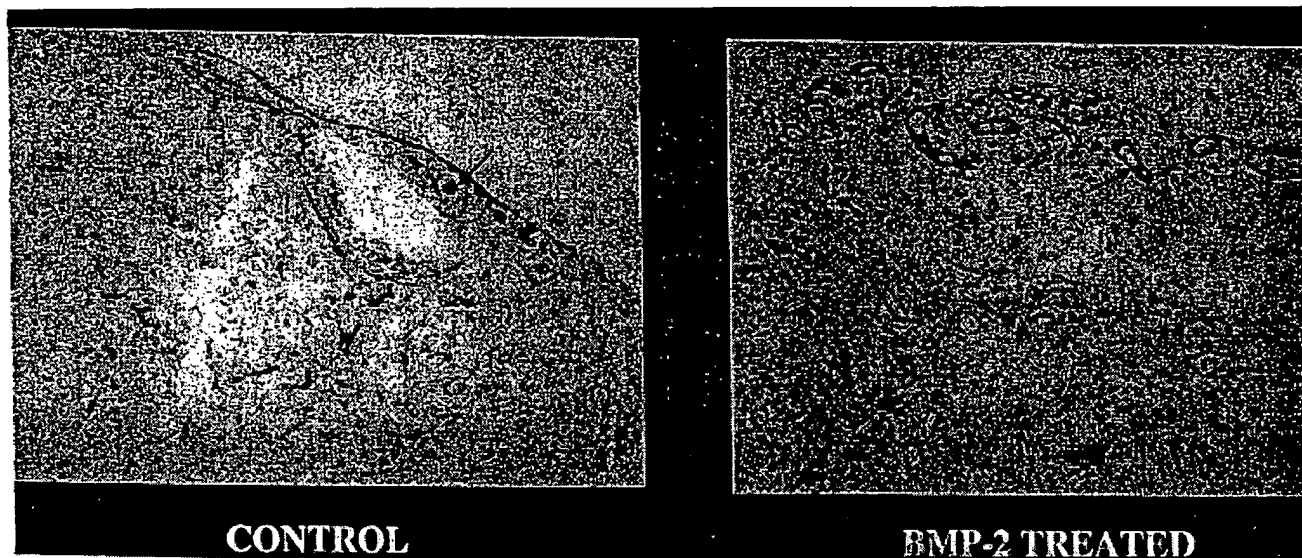
BMP Enhances Blood Vessel Formation as Compared to Controls



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## FIGURE 11

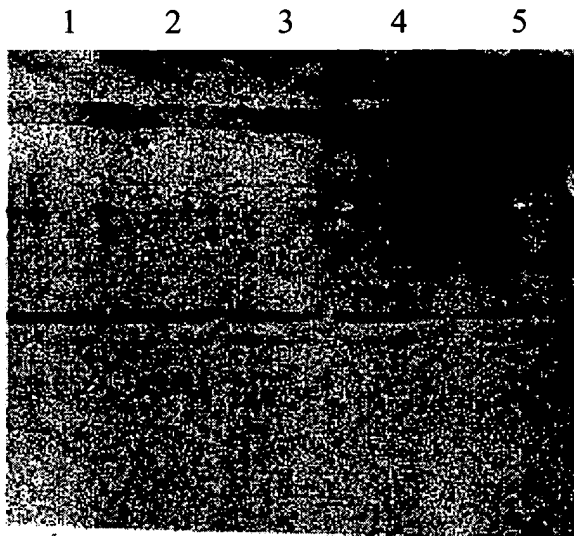
BMP-2 Enhances Tumor Vasculature



## FIGURE 12

### BMP-2 Regulated Sonic Hedgehog

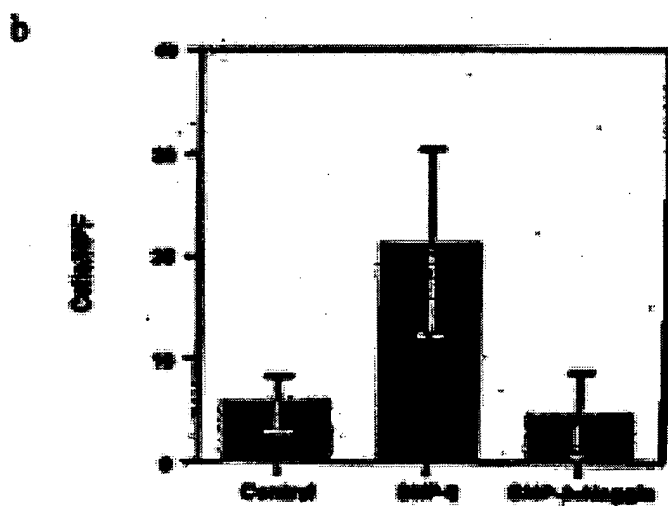
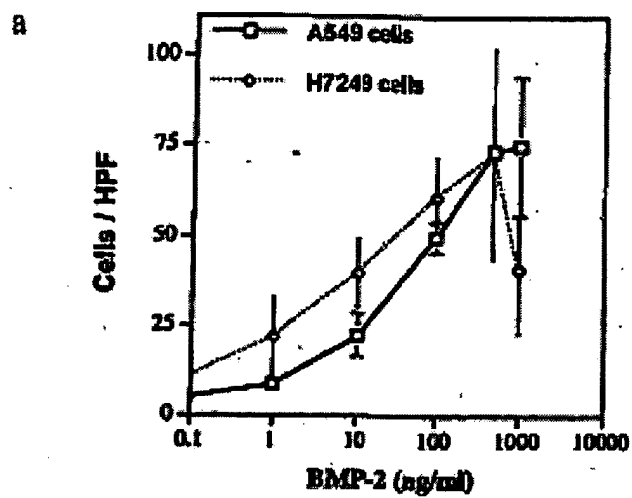
12(a)



12(b)

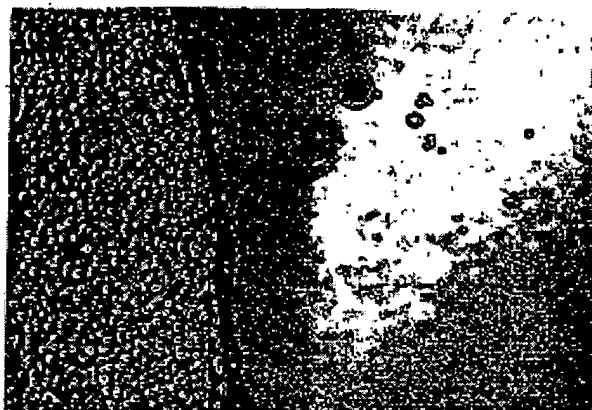


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**FIGURE 13(a) and 13(b)**

# **FIGURE 13 (c) and 13 (d)**

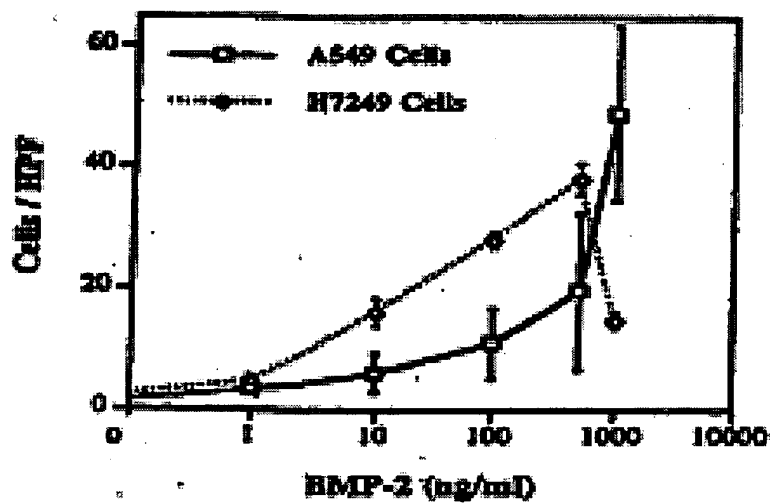
13(c)



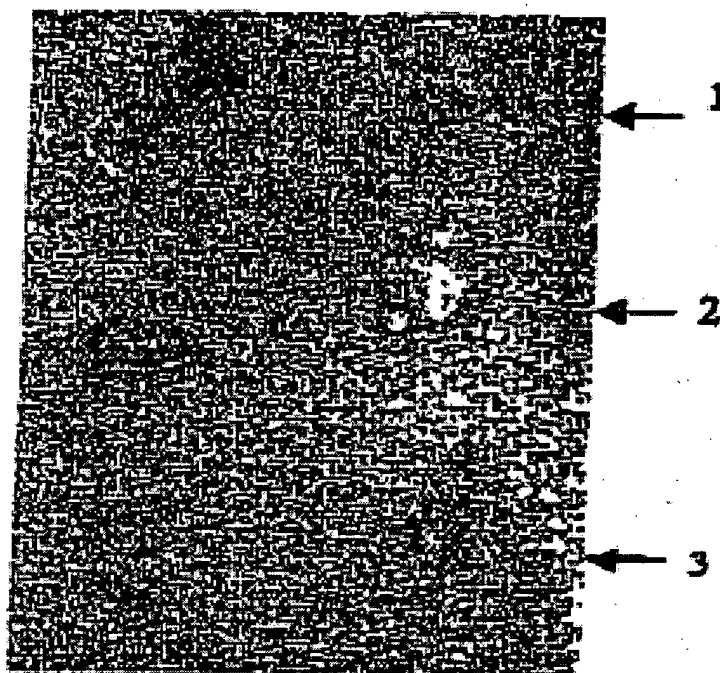
13(d)



FIGURE 13(e)



**FIGURE 14**

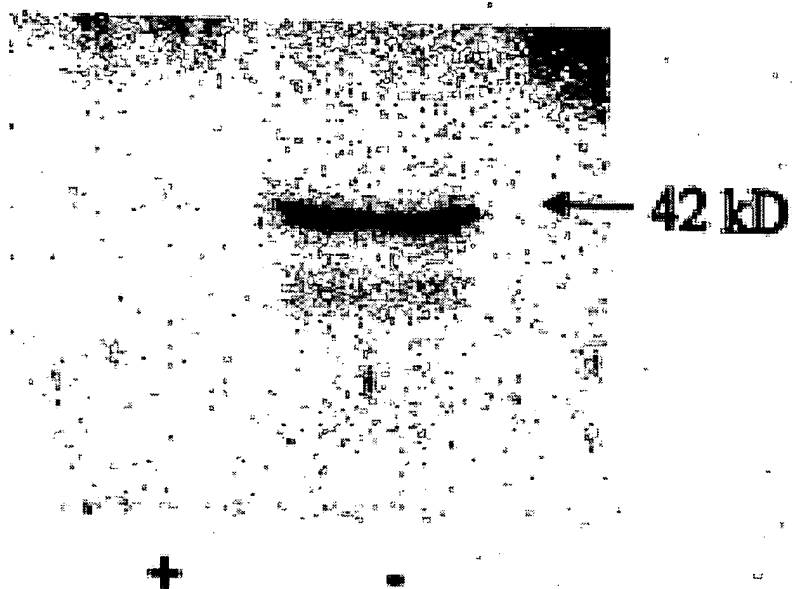


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**FIGURE 15**

Noggin Inhibits VEGF Expression in the A549 Lung Cancer Cell Line

15(a)

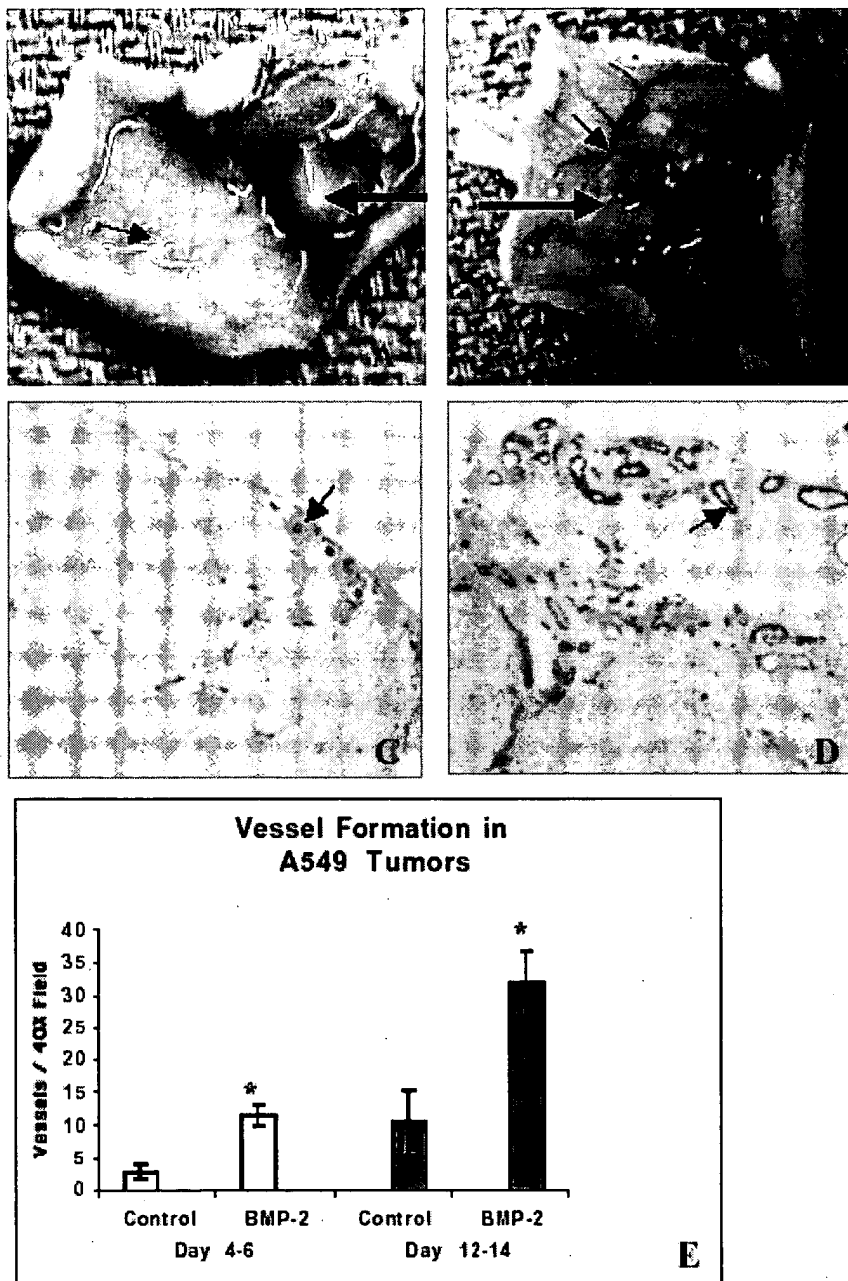


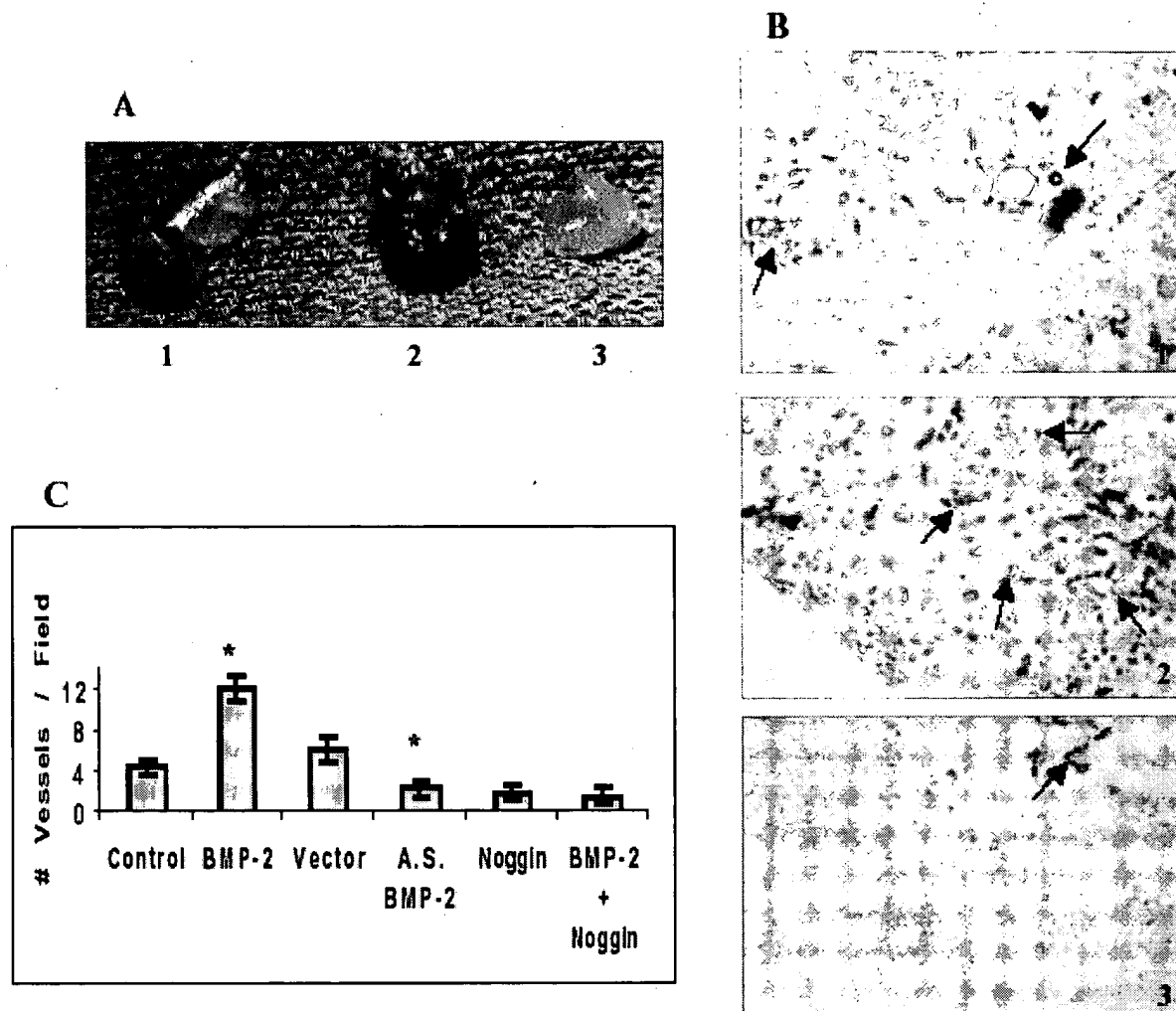
15(b)

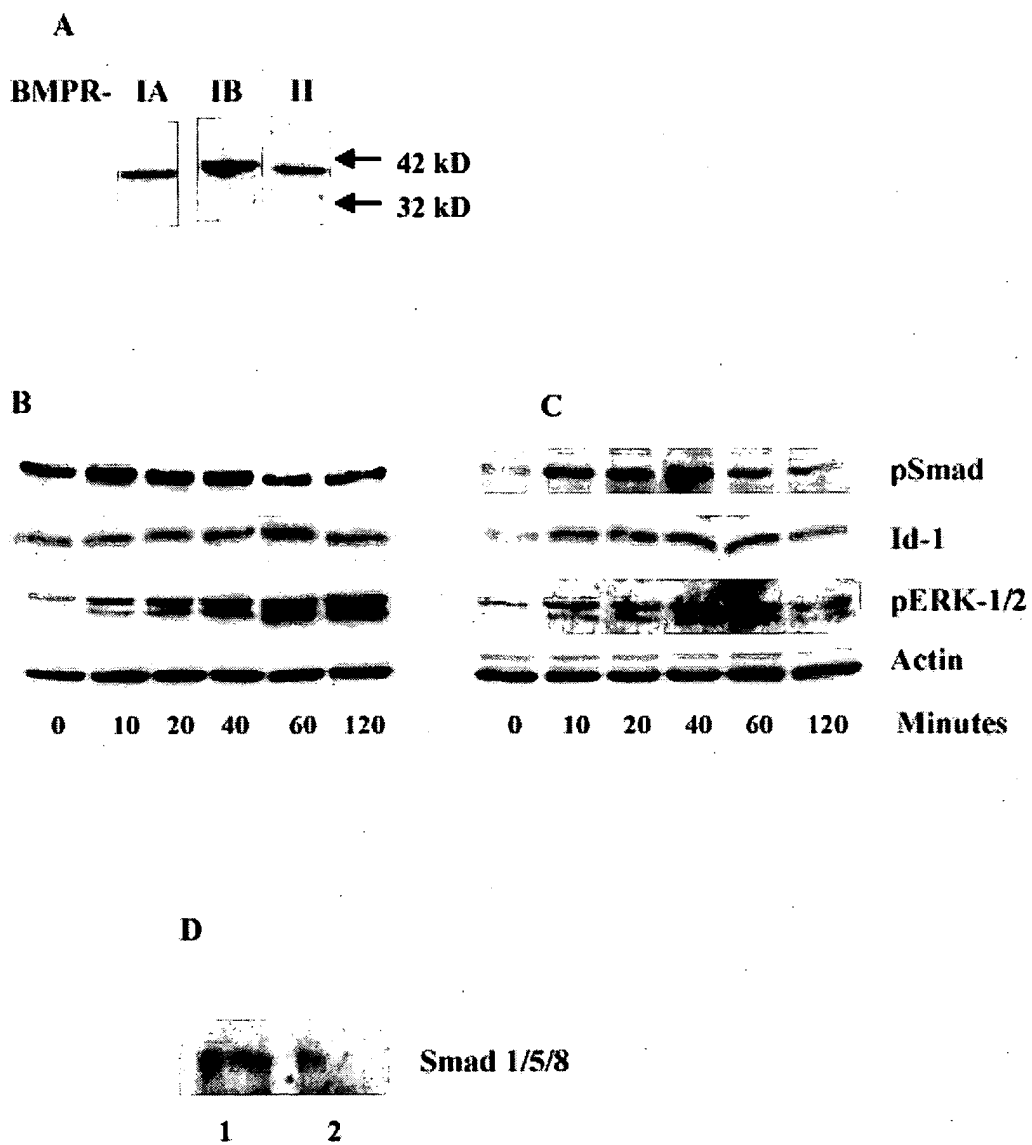
	Secreted VEGF (ng/ml)
A549 + PBS	13,333
A549 + 300 ng/ml noggin	9,442
A549 + 500 ng/ml noggin	8,219

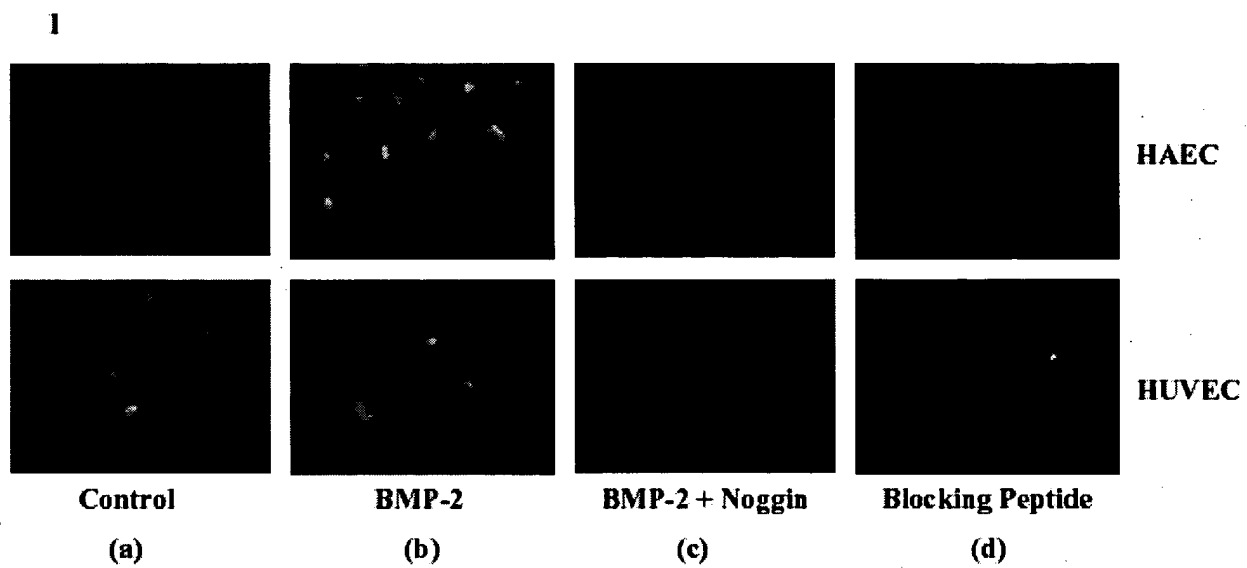
**FIGURE 16**



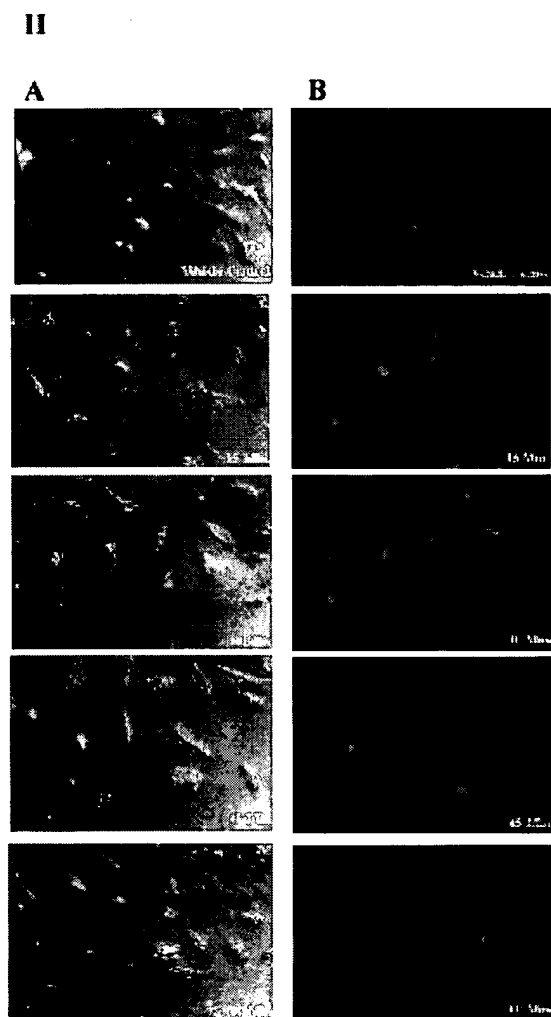
**FIGURE 17**

**FIGURE 18**

**FIGURE 19**

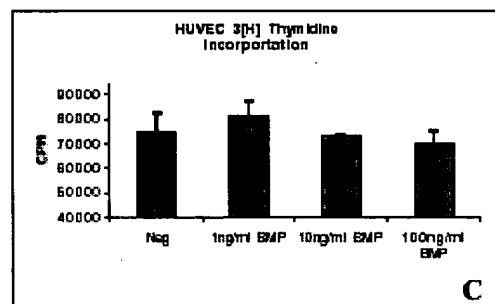
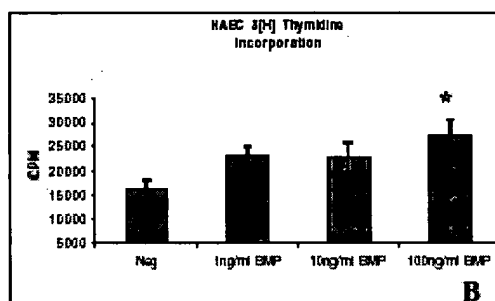
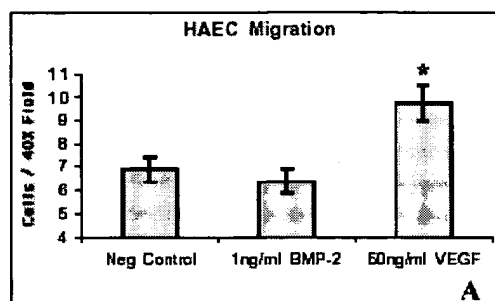
**FIGURE 20(a)**

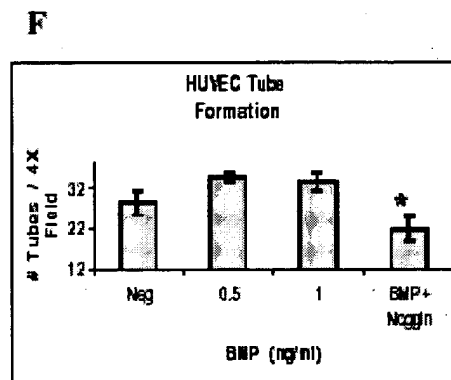
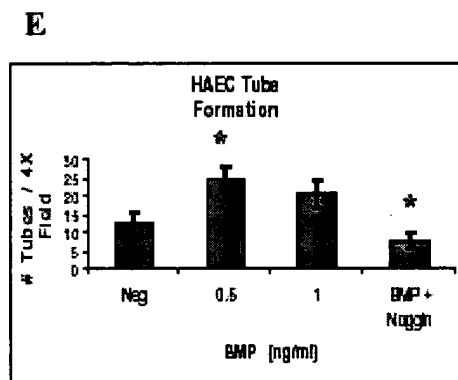
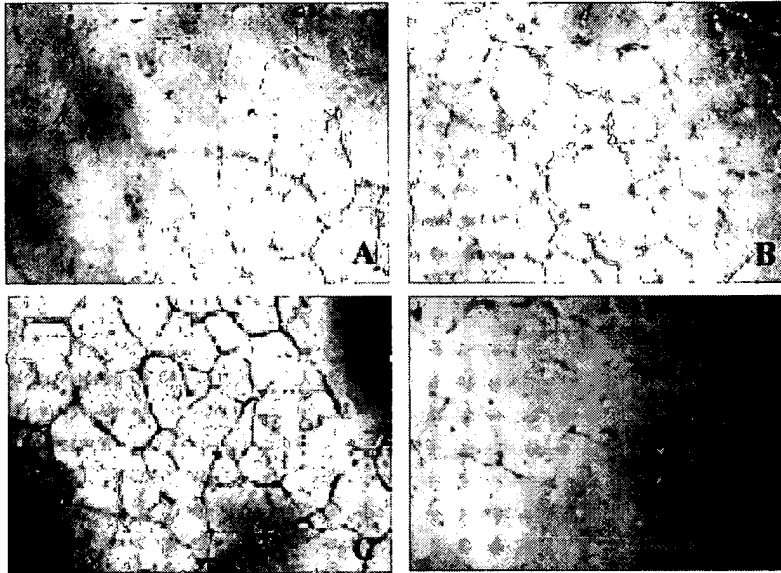
**FIGURE 20(b)**

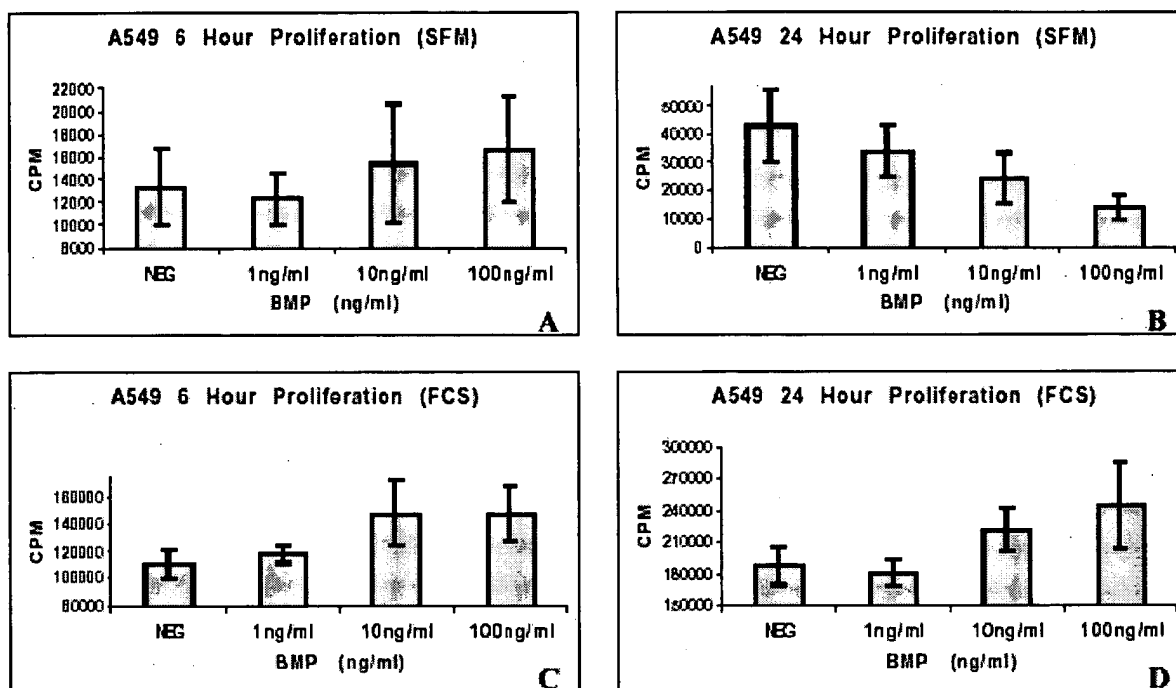


**FIGURE 20(c)**

	<b>HAEC</b> % Cells w/ Smad 1/5/8 Nuclear Staining	<b>HUVEC</b> % Cells w/ Smad 1/5/8 Nuclear Staining
<b>Vehicle Control</b>	8.0	12.5
<b>15 Min</b>	17.2	20.4
<b>30 Min</b>	44.9	43.8
<b>45 Min</b>	19.4	18.4
<b>60 Min</b>	9.0	11.4

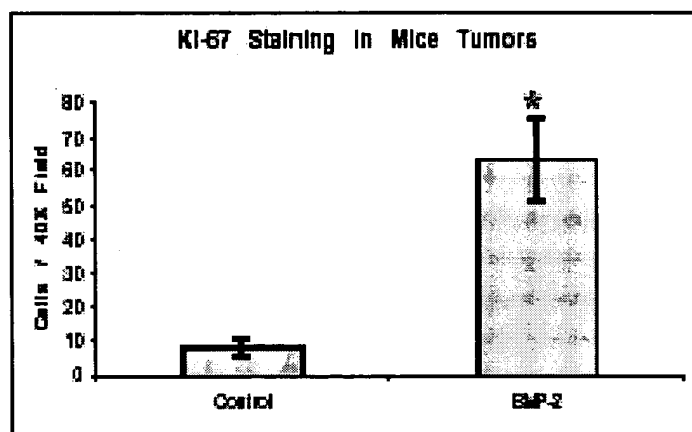
**FIGURE 21**

**FIGURE 22**

**FIGURE 23**

**FIGURE 24**

	<b>5% FCS</b>  % Cells with Smad 1/5/8 Nuclear Staining	<b>LHC-8 SFM</b>  % Cells with Smad 1/5/8 Nuclear Staining
<b>Vehicle Control</b>	3.3	2.0
<b>15 Minutes</b>	6.9	1.9
<b>30 Minutes</b>	18.0	2.5
<b>120 Minutes</b>	4.5	1.8

**FIGURE 25**

**FIGURE 26**

